

Title (en)

COMPOSITION FOR POWDER COATING MATERIAL, POWDER COATING MATERIAL, AND COATED ARTICLE

Title (de)

ZUSAMMENSETZUNG FÜR PULVERBESCHICHTUNGSMATERIAL, PULVERBESCHICHTUNGSMATERIAL UND BESCHICHTETER ARTIKEL

Title (fr)

COMPOSITION DE MATÉRIAU DE REVÊTEMENT EN POUDRE, MATÉRIAU DE REVÊTEMENT EN POUDRE ET ARTICLE REVÊTU

Publication

EP 3165580 A1 20170510 (EN)

Application

EP 15814841 A 20150629

Priority

- JP 2014136305 A 20140701
- JP 2015068710 W 20150629

Abstract (en)

To provide a composition for powder coating material capable of obtaining a powder coating material capable of forming a coating film having excellent weather resistance and bending processability; a powder coating material capable of forming a coating film having excellent weather resistance and bending processability; and a coated article having the coating film having excellent weather resistance and bending processability, on its surface. The composition for powder coating material comprises the following polyvinylidene fluoride (A) and at least one resin (B) selected from a group consisting of an acrylic resin, a polyester resin and an epoxy resin, wherein the content of the polyvinylidene fluoride (A) is 30 to 90 parts by mass relative to the total of 100 parts by mass of the polyvinylidene fluoride (A) and the resin (B). The polyvinylidene fluoride (A) has a melting point of 151 to 170°C and a heterologous sequence ratio of 11 to 37%.

IPC 8 full level

C09D 127/16 (2006.01); **B05D 7/24** (2006.01); **B32B 27/30** (2006.01); **C09D 5/03** (2006.01); **C09D 133/00** (2006.01); **C09D 163/00** (2006.01); **C09D 167/00** (2006.01); **C09D 175/04** (2006.01); **C09D 183/00** (2006.01)

CPC (source: CN EP US)

B32B 27/30 (2013.01 - EP US); **C08F 220/14** (2013.01 - CN EP US); **C08G 18/80** (2013.01 - EP US); **C09D 5/03** (2013.01 - EP US); **C09D 5/035** (2013.01 - CN); **C09D 127/16** (2013.01 - CN EP US); **C09D 133/10** (2013.01 - EP US); **C09D 133/12** (2013.01 - CN); **C09D 163/00** (2013.01 - EP US); **C09D 167/00** (2013.01 - US); **B05D 1/06** (2013.01 - EP US); **B05D 3/0254** (2013.01 - EP US); **B05D 7/51** (2013.01 - EP US); **B05D 7/52** (2013.01 - EP US); **B05D 2202/25** (2013.01 - EP US); **B05D 2451/00** (2013.01 - EP US); **C08G 2150/20** (2013.01 - EP US); **C08K 2003/2241** (2013.01 - CN)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

US 2016222221 A1 20160804; CN 105745288 A 20160706; CN 105745288 B 20170609; CN 107236379 A 20171010; EP 3165580 A1 20170510; EP 3165580 A4 20171122; EP 3165580 B1 20190306; JP 2016065256 A 20160428; JP 5862845 B1 20160216; JP WO2016002725 A1 20170427; WO 2016002725 A1 20160107

DOCDB simple family (application)

US 201615093339 A 20160407; CN 201580002542 A 20150629; CN 201710438867 A 20150629; EP 15814841 A 20150629; JP 2015068710 W 20150629; JP 2015254547 A 20151225; JP 2015544268 A 20150629